



POWER PLANT - ENGINE - PROVIDE AN EEC HARNESS SUPPORT BRACKET AT FLANGE FD - CATEGORY
CODE 6 - MOD.ENG-71-0060

1. Planning Information

A. Effectivity

- (1) Airplane: Airbus A320
- (2) Engine: V2500-A1 Engines Prior to Serial Number V0211.

B. Reason

(1) Condition

The Bracket at CP0783 does not provide sufficient support for the EEC Fan Harness in the area of Flange FD. This may cause the chafing of the EEC Fan Harness.

(2) Background

This condition has been noted during assembly of the production engines.

A review of the existing EEC Harness support bracket has shown the need for a support Bracket with clipping to hold the EEC Fan Harness.

(3) Objective

The changes in configuration recommended in this Service Bulletin are intended to increase the engine reliability.

(4) Substantiation

Substantiation test is not required.

(5) Effect of Bulletin on workshop procedure:

Removal/Installation - Affected (See Supplemental Information).
Disassembly/Assembly - Not affected
Cleaning - Not affected.
Inspection/Check - Not Affected.
Repair - Not affected.
Testing - Not affected.

(6) Supplemental Information

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The Removal/Installation of the Post-Service Bulletin configuration requires revision of the Engine Manual under chapter 72-00-32, to add the removal and installation procedures of the new Bracket at Flange FD and the new clipping parts at CP1096.

C. Description

(1) The changes introduced by this Service Bulletin are as follows:

(a) A new Bracket 5W8395 is installed to the Flange FD support the EEC Fan Harness at new clipping position CP1096. See Figures 1, 2, and 3.)

(2) A new Bracket will be available for future replacement purposes.

D. Approval

The Part Number changes and/or part modifications described in Sections 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model listed.

E. Compliance

Category Code 6

Accomplish when the subassembly (i.e. Module, Accessories, Components, Build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At overhaul (Note: The parts affected by this Service Bulletin are accessible at overhaul.)	
(a) To install the new Bracket and clipping parts ..	10 minutes
TOTAL	10 minutes

G. Material Price and Availability

(1) Modification Kit is not required. Parts supplied as single line items.

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- (2) See "Material Information" section for prices and availability of future spares.

H. Tooling Price and Availability

Special tools are not required to accomplish this Service Bulletin.

I. Weight and Balance

- | | |
|-------------------|--|
| (1) Weight change | None |
| (2) Moment arm | No effect |
| (3) Datum | Engine front mount centerline
(Powerplant Station (P.P.S.) 100) |

J. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

K. References

- (1) Internal Reference No.
EC89VJ046
- (2) Other References
- (1) V2500 Engine Illustrated Parts Catalog, Chapter/Section 71-51-41.
- (2) V2500 Engine Manual, 72-00-32, Installation, TASK 72-00-32-420-004.
- (3) V2500 Standard Practises/Processes Manual, 70-41-00, Torque Tightening Technique.

L. Other Publications Affected

V2500 Engine Illustrated Parts Catalog, Chapter/Section 71-51-42 will be revised to add the new Bracket and the clipping parts.

V2500 Power Plant Illustrated Parts Catalog, Chapter/Section 71-51-42 will be revised to add new Bracket and the clipping parts.

V2500 Engine Manual, 72-00-32, Removal/Installation will be revised to show the new Bracket and the new clipping parts.

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2. Accomplishment Instructions

A. Rework Instructions

- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

- (1) Attach new 5W8395, Bracket, to the Flange FD at the holes 30 and 31, with the two new 4W0170, Bolts, and the two new 4W0002, Self-locking Nuts. Torque each of two Nuts to 85 – 105 lbfin (10,0 – 12,0 Nm). (Refer to Figure 2, and 1.K.(3).)
- (2) Install the EEC Fan Harness by the approved procedures in the Engine Manual, 72-00-32, Installation. (Refer to 1.K.(2).)
- (3) At new clipping position Cp1096, install the new JM44LC39H114RG, Clip, the new 5W1086, Washer, the new 4W0110, Bolt, and the new 4W0001, Nut, to the Harnesses and the new 5W8395, Bracket. Torque the Nut to 36 – 45 lbfin (4,00 – 5,00 Nm). Refer to Figure 3, and 1.K.(3).)

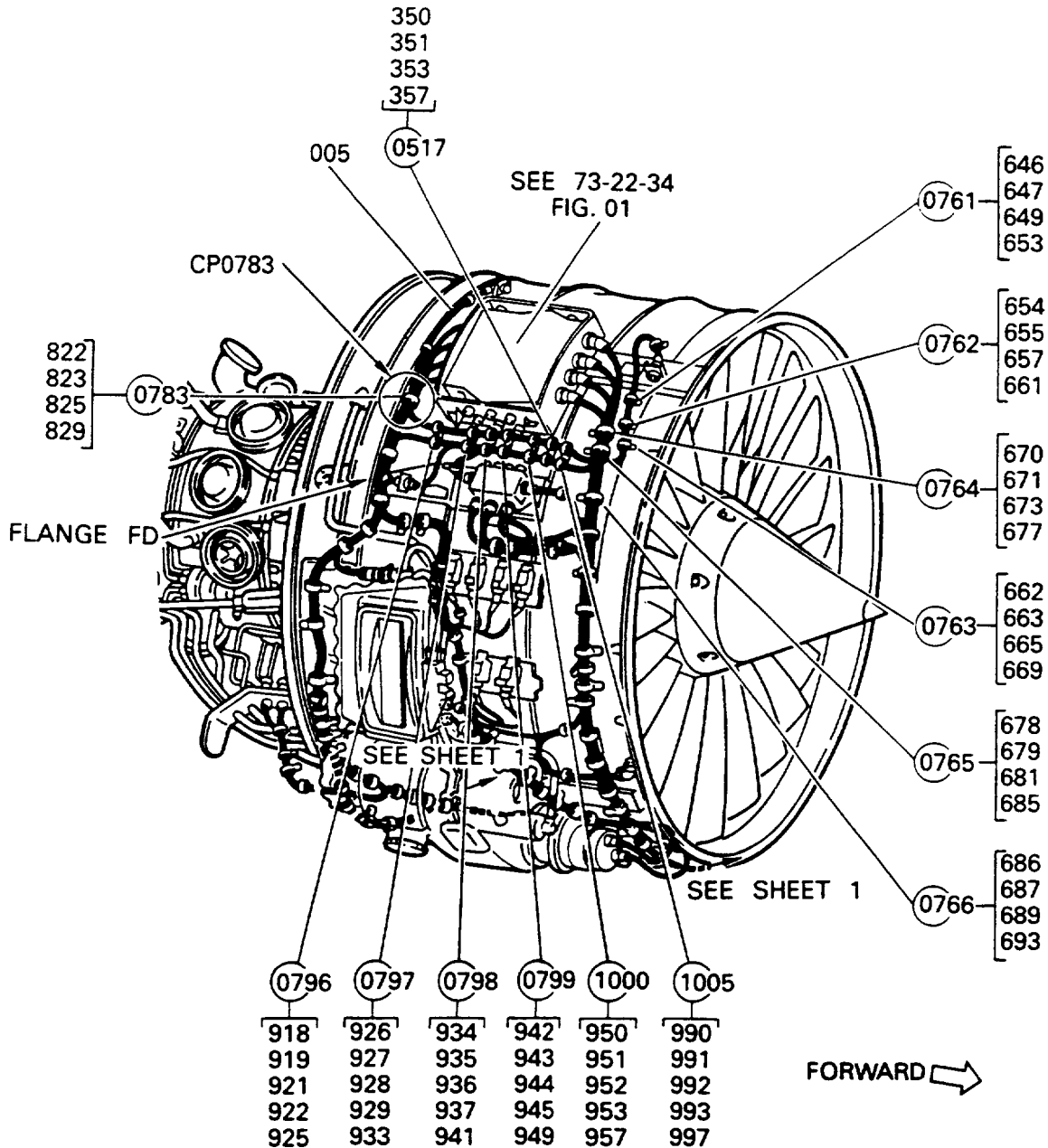
C. Recording Instructions

- (1) A record of accomplishment is necessary.



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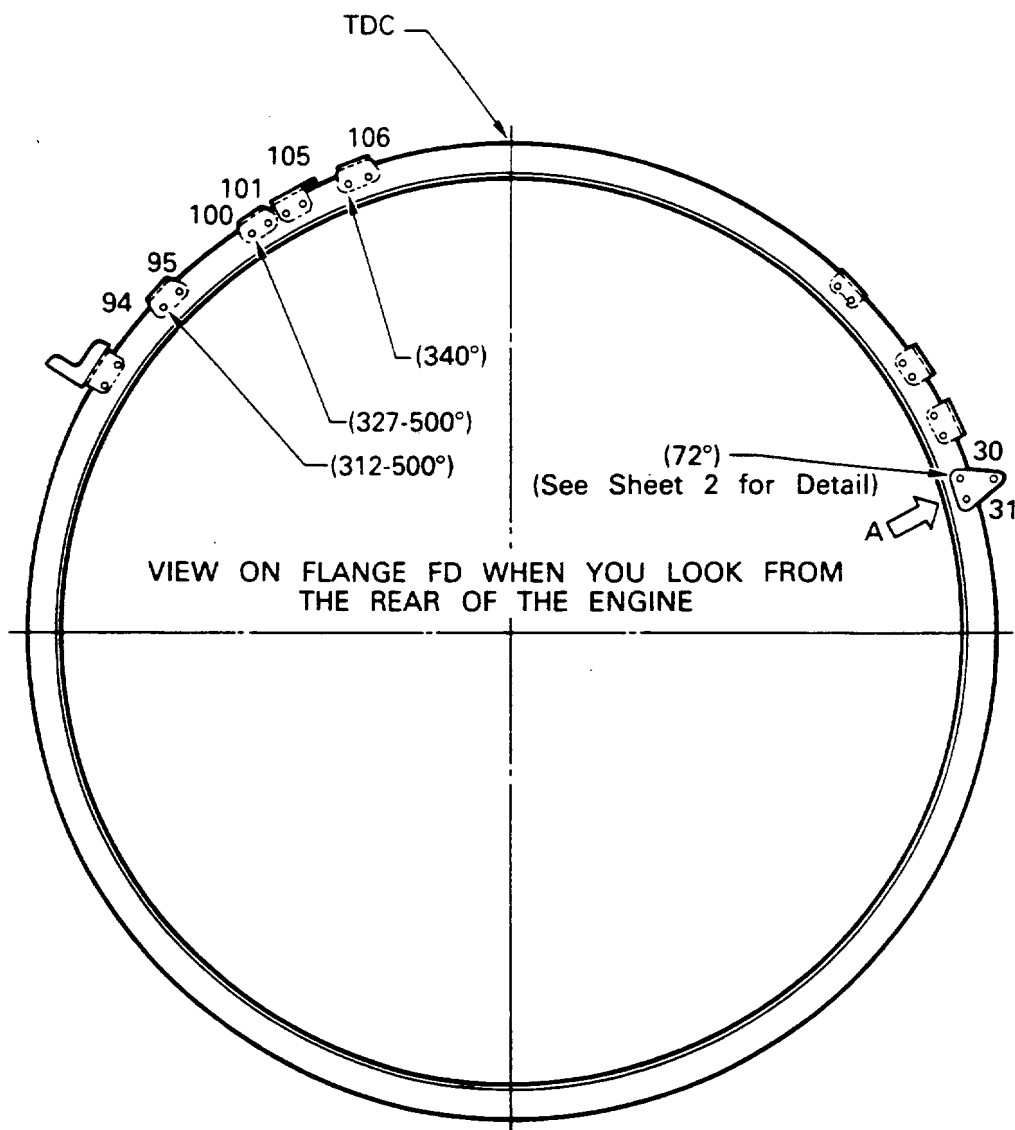
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Location of Clipping Position CP0783 and new Clipping Bracket to be installed at Flange FD
Fig.1

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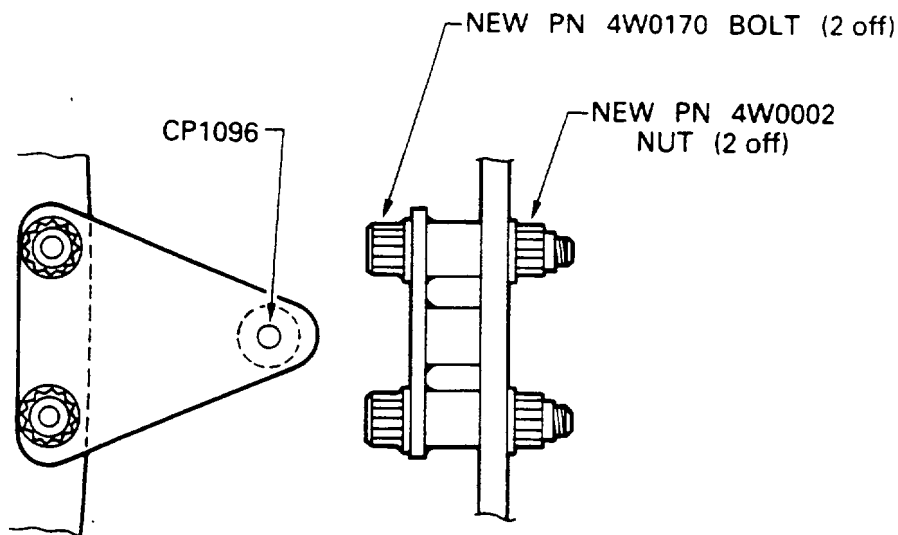
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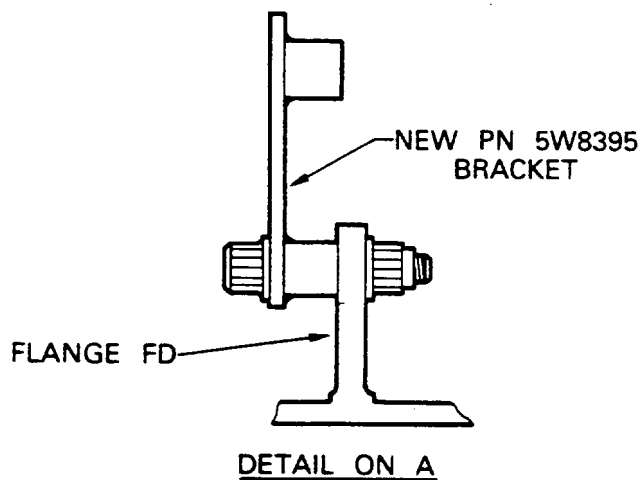


Installation of new Bracket at Flange FD
Fig.2(Sheet 1 of 2)

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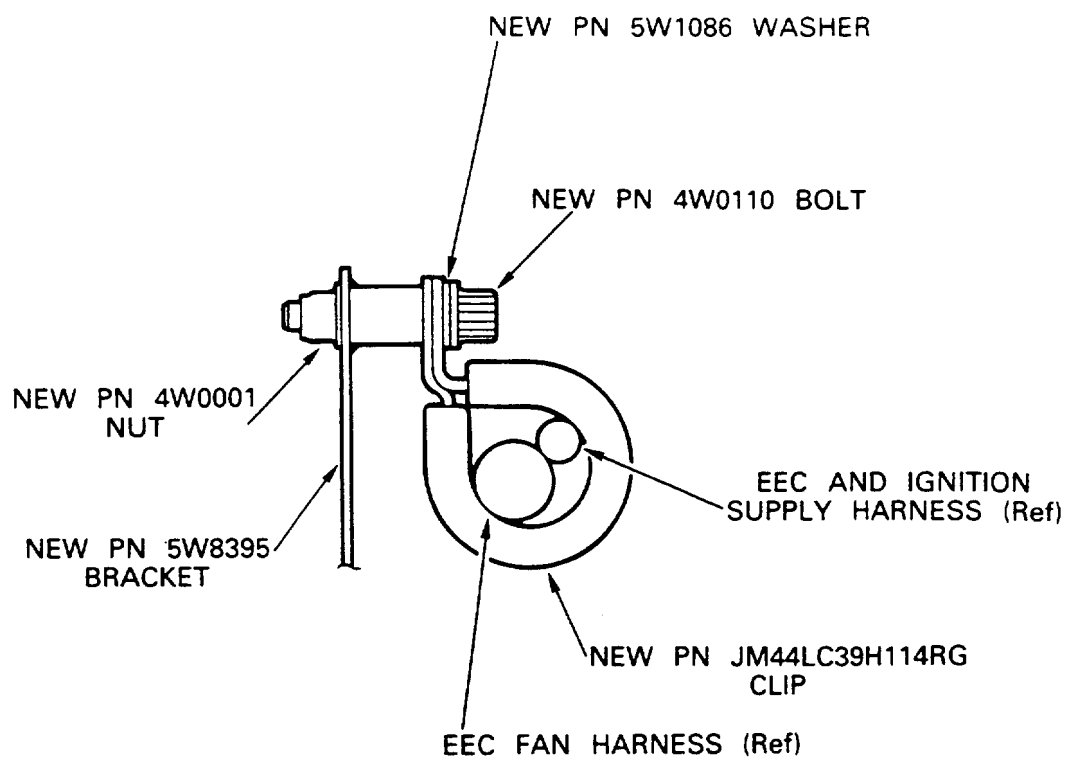


FORWARD →



Installation of new Bracket at Flange FD
Fig.2(Sheet 2 of 2)

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CLIPPING CONFIGURATION
AT CP1096

FORWARD ➡

Installation of new Clipping at CP1096
Fig.3

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3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits Associated with this Service Bulletin:

None

B. Parts affected by this Service Bulletin:

NEW Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	OLD Part No. (IPC NO.)	Instructions Disposition
4W0110 (71-51-41)	1	3.23	.Bolt, CP1096	- (02-421)	(A)(1D)
5W1086 (71-51-41)	1	.27	.Washer, CP1096	- (02-422)	(A)(1D)
JM44LC39 H114RG (71-51-41)	1	2.78	.Clip, CP1096	- (02-424)	(A)(1D)
4W0001 (71-51-41)	1	5.18	.Nut, CP1096	- (02-428)	(A)(1D)
5W8395 (71-51-41)	1	52.70	.Bracket, A/O	- (05-750)	(B)(1D)
4W0002 (71-51-41)	2	6.11	.Nut, Self Locking	- (05-751)	(A)(1D)
4W0170 (71-51-41)	2	3.92	.Bolt,	- (05-754)	(A)(1D)

C. Instructions/Disposition Code Statements:

- (A) New part is currently available for sale.
(B) New part will be available approximately October 1990.
(1D) Additional part.

NOTE: The estimated 1990 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

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